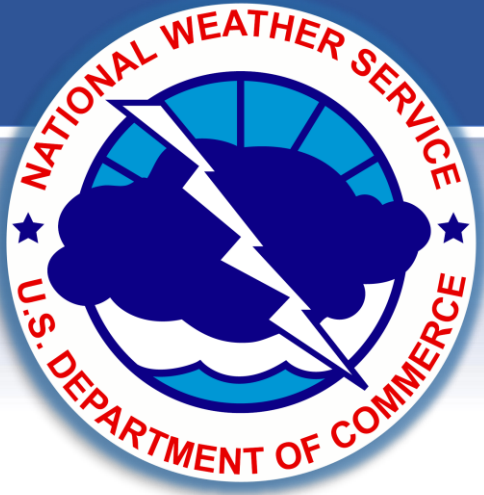


Decision Support Briefing

Southeast River Forecast Center



Decision Support Briefing TS Nicole and the Florida Peninsula



Issued: 12:44 PM ET Tuesday, November 8, 2022



Weather Ready Nation



NWSSERFC



@NWSSERFC

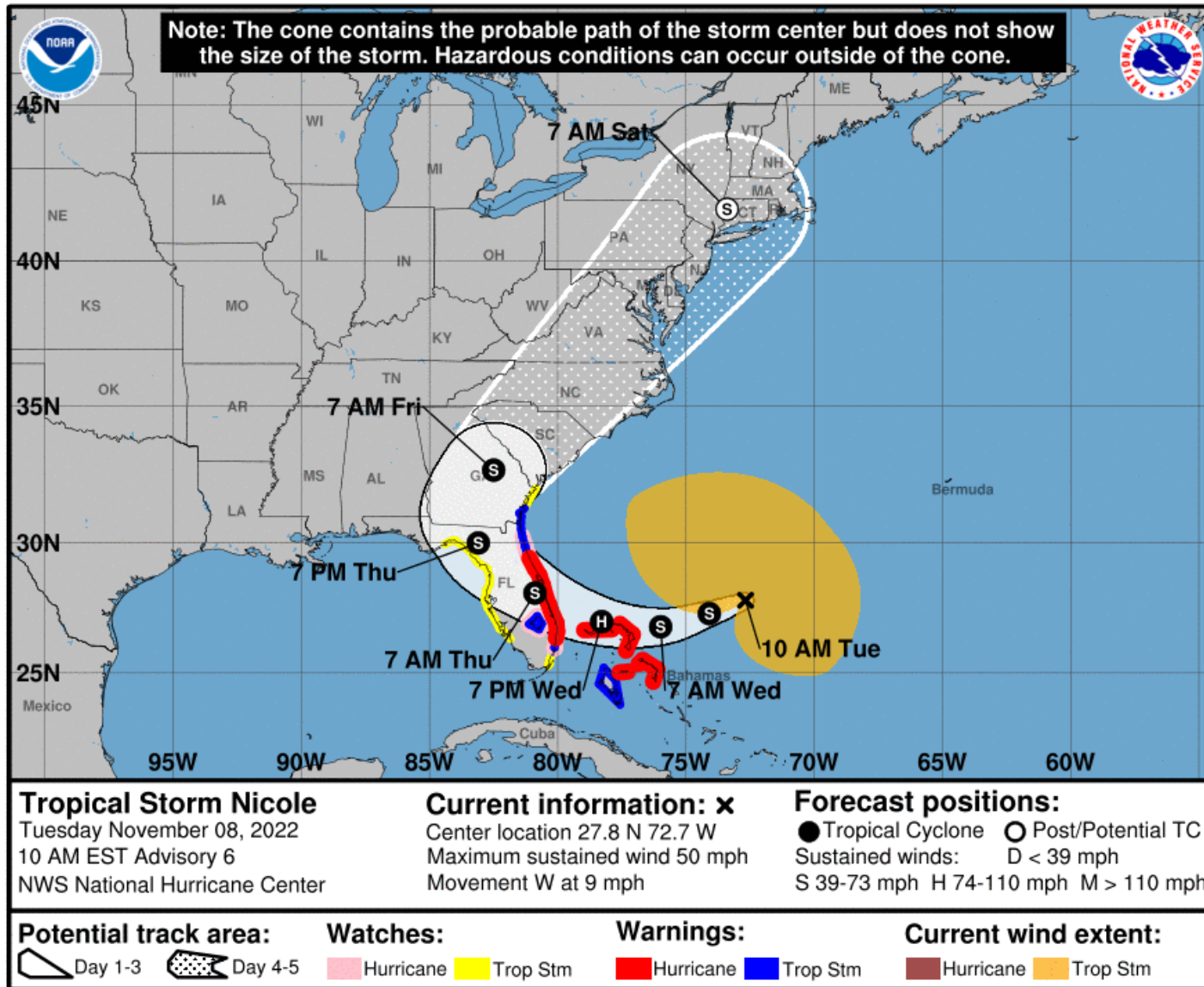


- **Tropical Storm Nicole has formed in the Atlantic and is expected to be a large storm with widespread impacts including coastal flooding and heavy rainfall.**
- **Nicole is forecast to be at hurricane strength by the time it reaches the east coast of Florida and produce 3 to 5 inches of rainfall with localized totals of 7 inches.**
- **The St. Johns river remains in moderate flood and expectations are that the recession will stop and rivers will rise through the week and into the weekend.**

Tropical Storm Nicole

Southeast River Forecast Center

Issued November 8, 2022 12:44 PM ET



Nicole is currently a tropical storm headed toward the east coast of Florida.

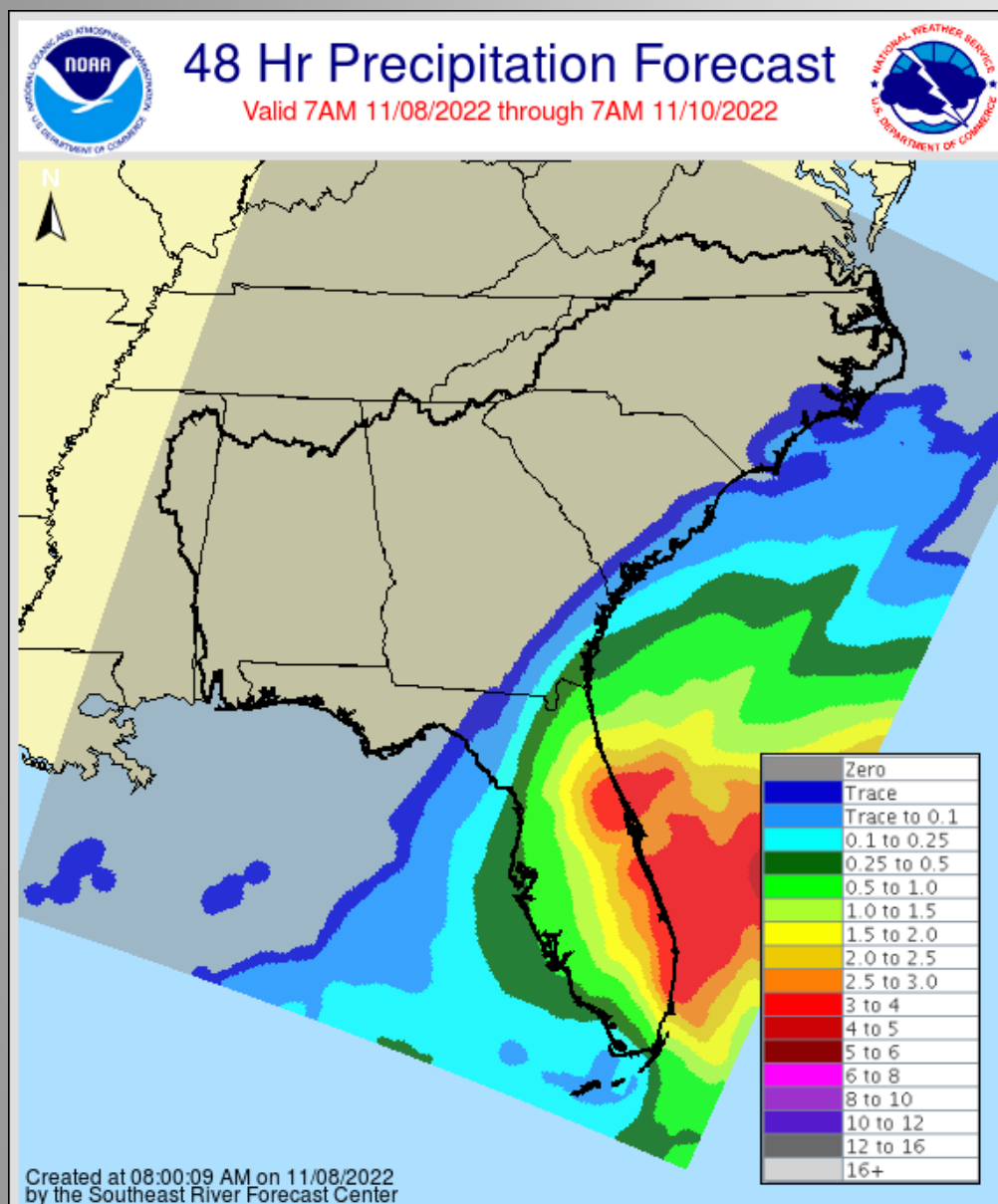
Expectation is that Nicole will become a hurricane before it reaches the coast. Regardless of strength, Nicole is a large storm and heavy rain and coastal flooding are expected as Nicole approaches the Atlantic coast.

48-Hr Precipitation Forecast

This is the forecast used in our daily deterministic river forecast

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SERFC forecasts include a 48-hour rainfall forecast.

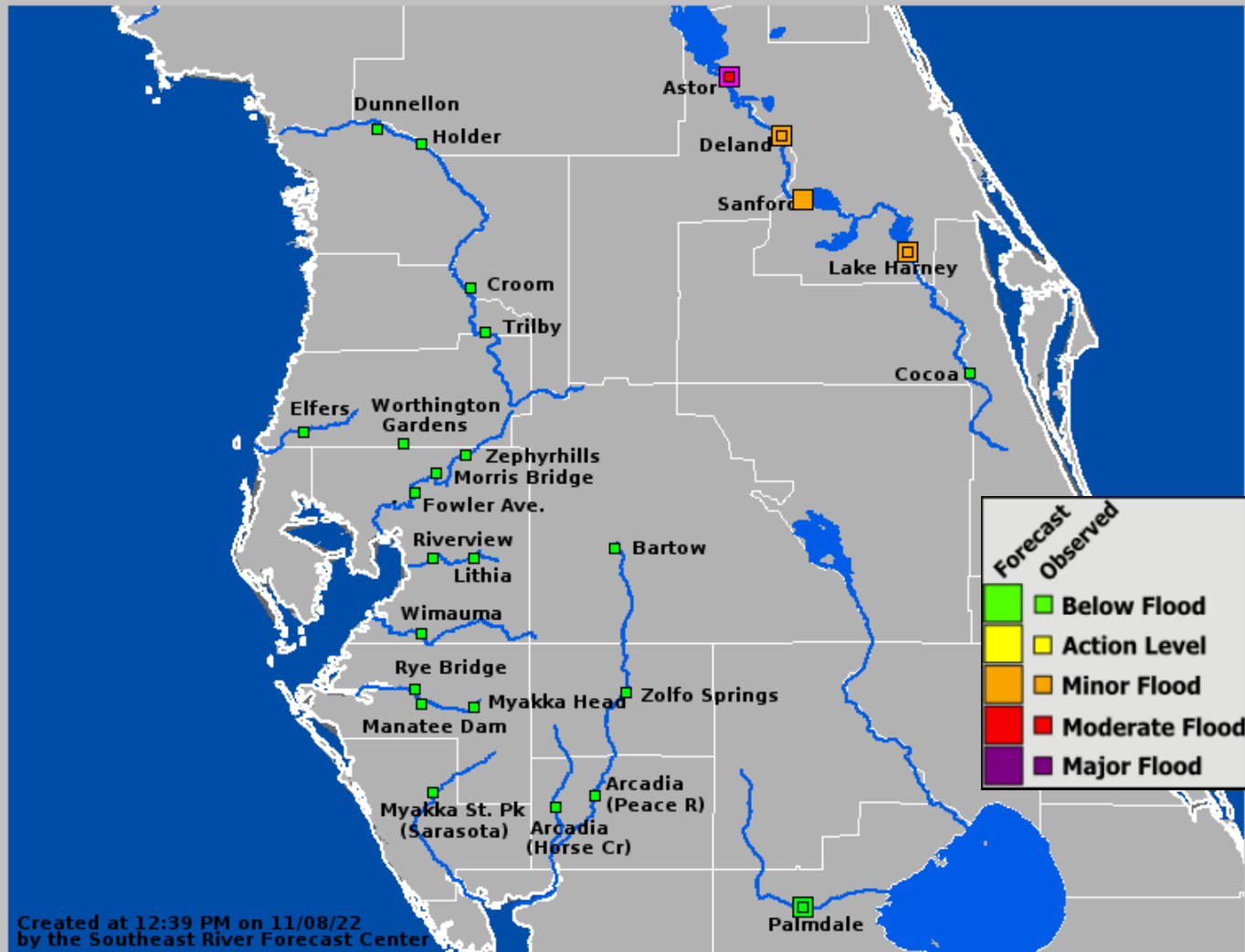
Here is the current precipitation forecast being used in the river forecasts today.

There is more rain expected in both day 3 and day 4...please visit the SERFC or your local WFO web page often for updates.



Central Florida

Valid: 11/08/2022 @ 12:39 PM



Here is the current SERFC river forecasts using past rainfall and the 48-hour forecast previously mentioned.

The St. Johns river remains the biggest concern in Florida.

Depending on location and intensity of the rainfall, how quickly and how much rivers rise is still uncertain.

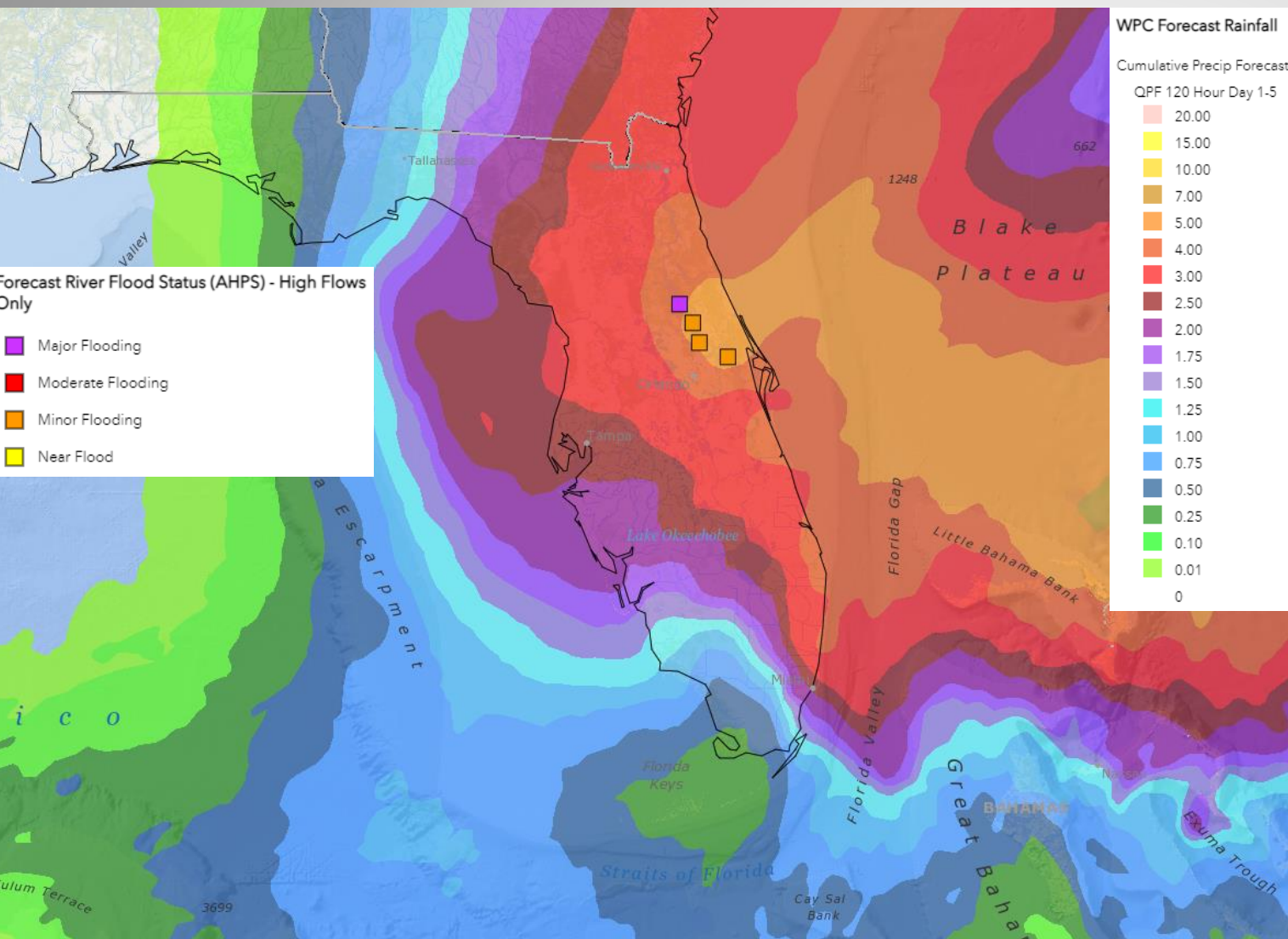
Please check back through the week for updates to forecasts as Nicole moves through the area.

St Johns River flooding

Flooding continues in the St Johns river basin from rain nearly 6 weeks ago

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Here is the 5-day rainfall forecast from the Weather Prediction Center overlaying the current flooded points on the St. Johns river.

There is still uncertainty in Nicole's path and the location of the heaviest rainfall. However, this is a large storm and rainfall is expected in the area.

4 to 6 inches of rain with isolated areas of 8 inches are possible.

The Ensemble forecasts in the next slide take into account storm total rainfall.

Stay tuned throughout the week for updates to rainfall and river forecasts.

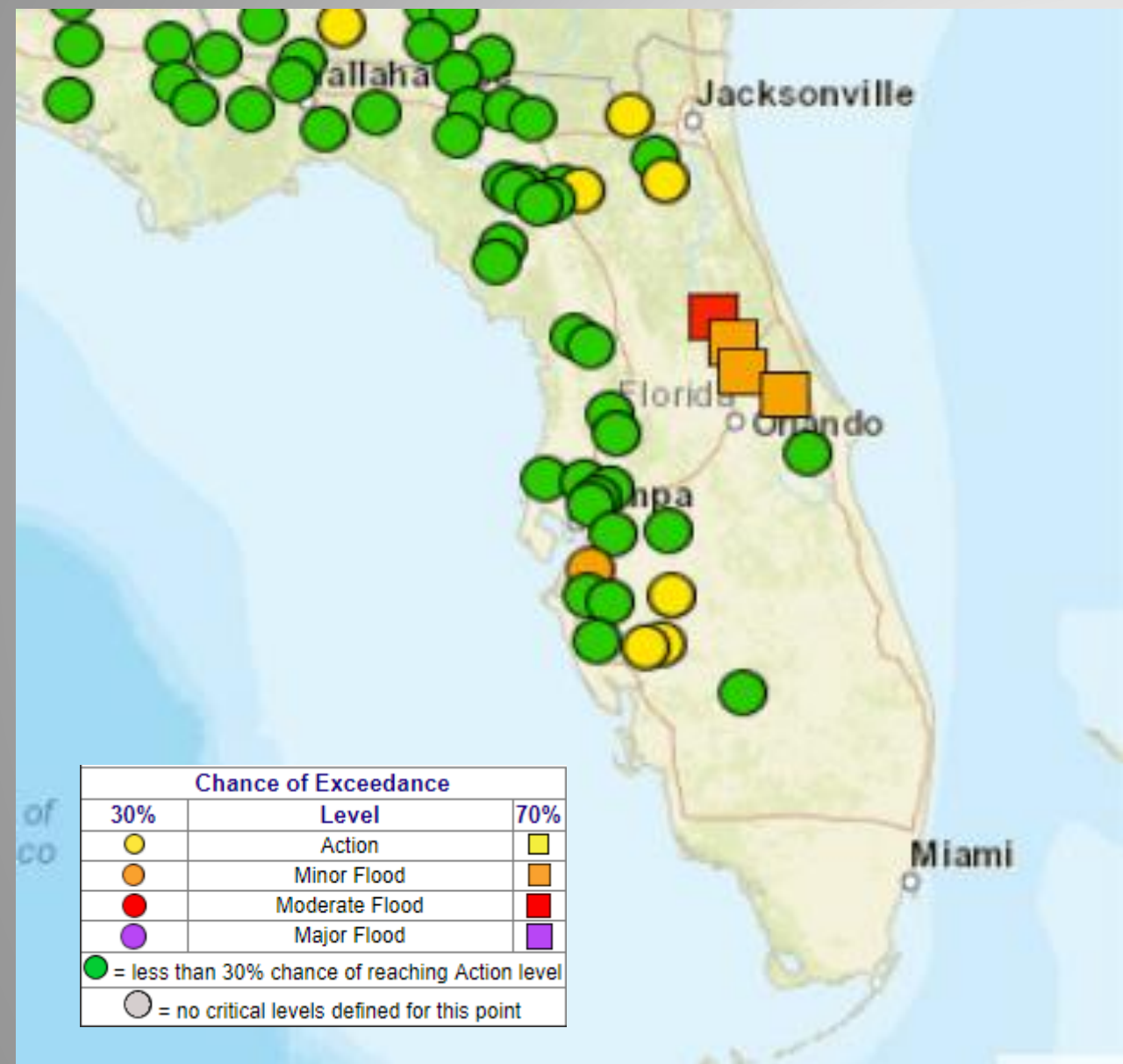
Meteorological Model Ensemble Forecast

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1 AM NAEFS forecast run



The Meteorological Model Ensemble Forecast System (MMEFS), to the left, is using the NAEFS model and addresses uncertainty in the longer lead rainfall forecast that helps to provide a confidence level for potential flooding. The NAEFS runs in our model every 12 hours.

A few points in south of the Tampa area have the potential to rise to action or flood stage from rains. The St. Johns river basin is likely to see a reversal of falling rivers and many points in the basin could rise again. The deterministic forecast shows Astor rising to major flood stage...winds are taken into account in the forecaster produced deterministic forecast.

To take a closer look, here is the link to more detailed information:

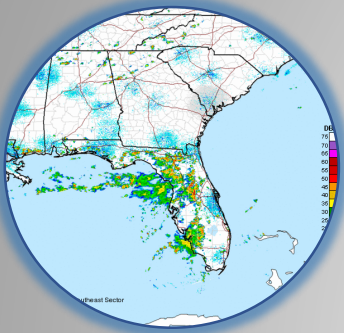
<https://www.weather.gov/erh/mmefs>



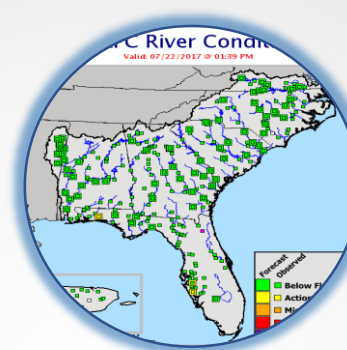
- SERFC will continue on normal operations until Nicole's rain moves into Florida. Notifications will go out when we plan to go into 24 hour operations.
- The Decision Support Briefing will continue until further notice.

Latest River Stages and Forecasts
are available...click here!

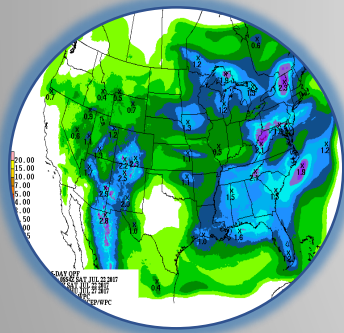
Please send all operational correspondence to
sr-alr.rivers@noaa.gov or call the office directly.



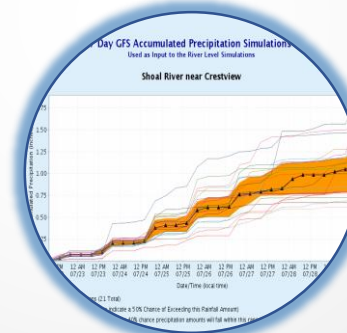
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)



- *The Decision Support Briefing will continue tomorrow and update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email sr-alr.rivers@noaa.gov or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*